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# THE OHIO STATE ENGINEER



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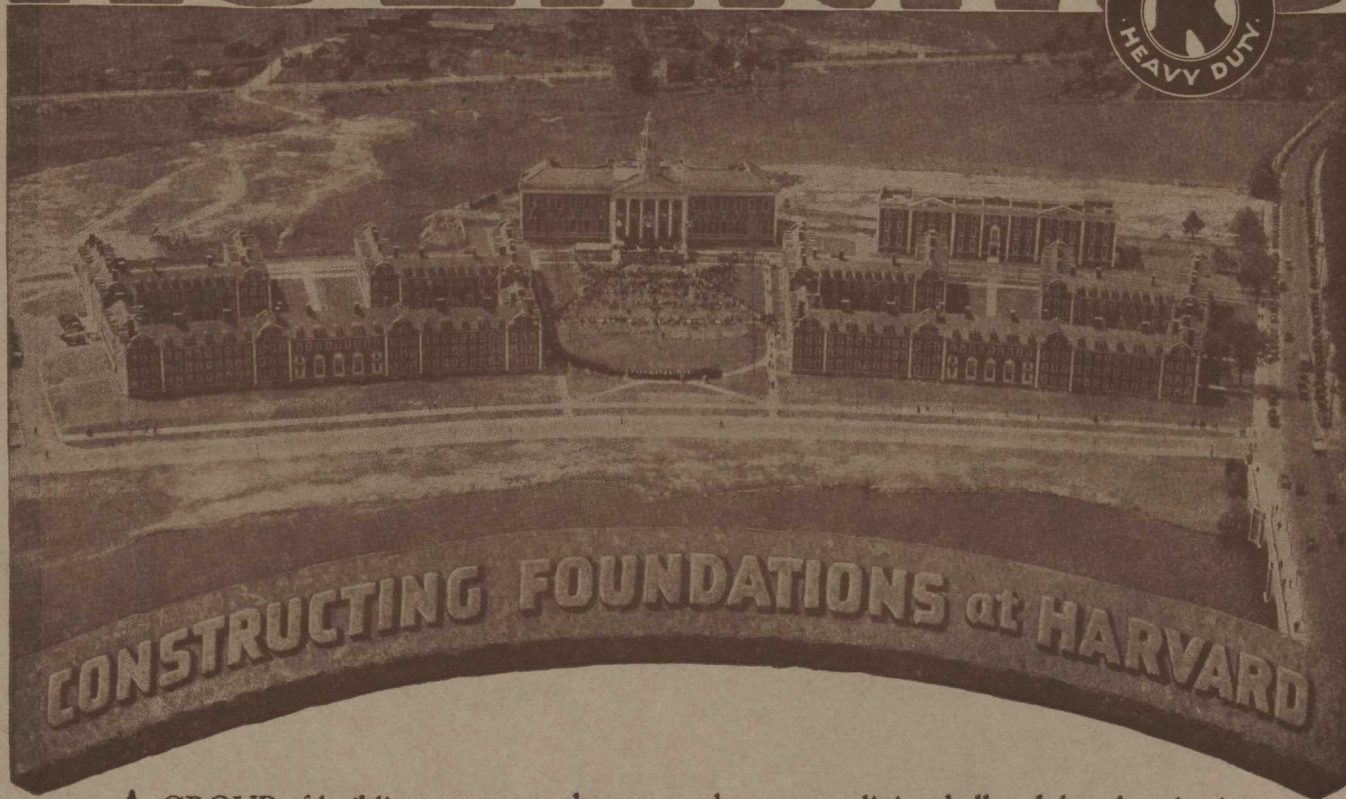
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# KOEHRING



A GROUP of buildings was recently completed in Cambridge, Massachusetts, for the Graduate School of Business Administration, Harvard University. The group was planned as a unit and developed in accordance with a definite idea that buildings and grounds could and should help in education, and that personality could be brought out in an atmosphere of quiet and good taste appropriate to an old university.

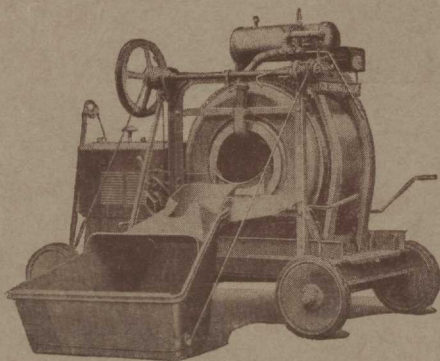
Included in this modern school of business are specific buildings for administration,

classrooms, dining halls, clubs, dormitories, library, recreation, business research, and professors homes. The total cost of all of these as illustrated in the above picture was approximately \$5,000,000.

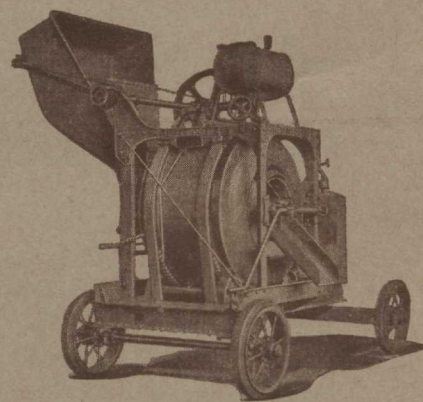
Four Koehring Heavy Duty Mixers [two No. 10S and two No. 14S mixers illustrated below] were used in mixing the concrete for the foundations. With the Koehring re-mixing action it was assured that every foot of concrete wall would be uniform and of dominant strength.

## KOEHRING COMPANY MILWAUKEE, WISCONSIN

Manufacturers of Pavers, Mixers — Gasoline Shovels, Cranes and Draglines.



The revised edition of "Concrete — Its Manufacture and Use," a complete treatise and handbook on present methods of preparing and handling portland cement concrete, is now ready for distribution. To engineering students, faculty members and others interested we shall gladly send a copy on request.



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# PINIONS

Pinions get all the speed there is in the engine of a motor car.

Timken Bearings on the pinions infallibly carried all the speed of the three Studebaker Commanders which totaled 75,000 miles, at well over a mile a minute, in the Atlantic City record run. All the recent Studebaker records were made with Timken-equipped pinions.

Standard on pinions of the Studebaker and a long list of other makes, Timken Bearings preserve alignment and quiet from the threat of speed, thrust, shock, torque, and friction.

Spiral gears with increasing thrust, higher gear ratios, higher motor speeds, and the importance of rigidity hasten the trend toward Timken Tapered Roller Bearings for pinions.

THE TIMKEN ROLLER BEARING  
COMPANY, CANTON, OHIO

In Studebaker cars Timken Bearings are standard on the pinion, in the differential, rear wheels, front wheels, and steering pivots.

**TIMKEN**  
*Tapered*  
**ROLLER BEARINGS**